

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claim in the application.

### **Listing of the Claims:**

1-20. (Canceled)

**21. (Currently Amended)** A method of providing access to data that is periodically transmitted by a broadcaster in a broadcast system, said method comprising:

receiving, by a receiver in said broadcast system, a selection that identifies a first data portion in a plurality of data portions that are periodically transmitted by said broadcaster in said broadcast system;

**providing a first carousel object for said selection, wherein said first carousel object is associated with a carousel class that can encapsulate data periodically transmitted by the broadcaster;**

**receiving said first data portion via said first carousel object;**

determining whether said first data portion is available in a storage used to store said periodically transmitted data;

providing access to said first data portion in said broadcast system when said determining determines that said first data portion is available in said storage;

storing said first data portion in said storage when said determining determines that said first data portion is not available in said storage;

sending a notification when said first data portion is stored in said storage device and becomes available for access; and

providing access to said first data portion **via said first carousel object** after said notification is sent.

**22. (Previously Presented)** A method as recited in claim 21, wherein said method further comprises:

receiving a request for updates of said first data portion;

determining whether said first data portion has been updated; and

sending an update notification when said first data portion has been updated.

23. (Previously Presented) A method as recited in claim 22, wherein said method further comprises:

- receiving a subscription request for updates to said first data portion; and
- determining whether said data portion has been updated; and
- sending an update notification when said determining determines that said first data portion has been updated.

24. (Previously Presented) A method as recited in claim 23, wherein said method further comprises:

- receiving a request to cancel said subscription request.

25. (Previously Presented) A method as recited in claim 21,

- wherein said access to said first data portion is provided by creating a file system that represents data transmitted by said broadcaster, and
- wherein a set of input and output operations are provided for said file system.

26. (Previously Presented) A method as recited in claim 21, wherein said access to said first data portion is provided by creating an object file that represents the data transmitted by said broadcaster.

27. (Previously Presented) A method as recited in claim 26, wherein said data object is implemented as a carousel file.

28. (Previously Presented) A method as recited in claim 27, wherein said carousel file is implemented as a Java™ carousel class that is compliant with Java™ Programming language.

29. (Previously Presented) A method as recited in claim 28, wherein said method further comprises:

- instantiating a carousel file object;
- initiating a read operation on the carousel file object; and
- waiting until the read operation successfully completes.

30. (Previously Presented) A method as recited in claim 21, wherein said access is provided by a Java TV™ compliant Application Programming Language (API).

31. **(Currently Amended)** A receiver suitable for accessing selected portions of data that is periodically transmitted by a broadcaster in a broadcasting system, wherein said receiver operates to:

receive a request for a first data portion that has been selected from a plurality of data portions that are periodically transmitted by said broadcaster in said broadcast system;

**providing a first carousel object for said selection, wherein said first carousel object is associated with a carousel class that can encapsulate data periodically transmitted by the broadcaster;**

**receiving said first data portion via said first carousel object;**

determine whether said first data portion is available in a storage used to store said periodically transmitted data;

provide access to said first data portion in said broadcast system when said determining determines that said first data portion is available in said storage;

store said first data portion in said storage when said determining determines that said first data portion is not available in said storage;

send a notification when said first data portion is stored in said storage device and becomes available for access; and

provide access to said first data portion **via said first carousel object** when said notification is sent.

32. (Previously Presented) A receiver as recited in claim 31, wherein said receiver further:

receives a request for updates of said first data portion;

determines whether said first data portion has been updated; and

sends an update notification when said first data portion has been updated.

33. (Previously Presented) A receiver as recited in claim 31, wherein said receiver further:

receives a subscription request for receiving updates to said first data portion; and  
determines whether said first data portion has been updated; and  
sends an update notification when said determining determines that said data portion has been updated.

34. (Previously Presented) A receiver as recited in claim 33,  
wherein said access to said first data portion is provided by creating a file system that represents the data transmitted by said broadcaster, and  
wherein a set of input and output operations are provided for said file system.

35. (Previously Presented) A receiver as recited in claim 33, wherein said access to said first data portion is provided by creating an object that represents the data transmitted by said broadcaster.

36. (Previously Presented) A receiver as recited in claim 35, wherein said data object is implemented as a carousel file.

37. (Previously Presented) A receiver as recited in claim 33, wherein said carousel file is implemented as a Java™ carousel class that is compliant with Java™ Programming language.

38. (Currently Amended) A computer readable medium including computer program code for providing access to data that is periodically transmitted by a broadcaster in a broadcast system, said computer readable media comprising:  
computer program code for receiving, by a receiver in said broadcast system, a request for a first data portion that is periodically transmitted by said broadcaster in said broadcast system;

**computer program code for providing a first carousel object for said selection, wherein said first carousel object is associated with a carousel class that can encapsulate data periodically transmitted by the broadcaster;**

**computer program code for receiving said first data portion via said first carousel object;**

computer program code for determining whether said first data portion is available in a storage used to store said periodically transmitted data;

computer program code for providing access to said first data portion in said broadcast system when said determining determines that said first data portion is available in said storage;

computer program code for storing said first data portion in said storage when said determining determines that said first data portion is not available in said storage;

computer program code for sending a notification when said first data portion is stored in said storage device and becomes available for access; and

computer program code for providing access via said first carousel object to said first data portion after said notification is sent.

39. (Previously Presented) A computer readable medium as recited in claim 38, wherein said access to said first data portion is provided by creating an object that represents data transmitted by said broadcaster.

40. (Previously Presented) A computer readable medium as recited in claim 39, wherein said data object is implemented as a carousel file.

41. (Previously Presented) A computer readable medium as recited in claim 39, wherein said carousel file is implemented as a Java™ carousel class that is compliant with Java™ Programming language.